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ART 34 AMDT

CLAIMS

1. Balancing device (4, 4', 4'', 14, 24, 34, 44)
for a wheel, comprising a balancing weight (5, 15, 25,
5 35, 45) enclosed in a case (6, 16, 26, 36, 46) the
surface of which is adapted to be firmly fixed to a tyre
and which is made of a material having a similar colour
to that of a tyre.

2. Device according to claim 1, characterized in
10 that the weight is made of lead or a lead alloy.

3. Device according to claim 1, characterized in
that the weight is made of iron alloy.

4. Device according to claim 1, characterized in
that the weight is made of zinc and aluminium alloy.

15 5. Device according to claim 1, characterized in
that the weight is made of plastic material.

6. Device according to any one of claims 1 to 5,
characterized in that said surface (14A, 44A) includes a
convex section.

20 7. Device according to any one of claims 1 to 5,
characterized in that said surface (4A, 24A) includes a
concave section.

8. Device according to any one of claims 1 to 5,
characterized in that the surface (34A) is at least
25 approximately a portion of a cylinder.

9. Device according to any one of claims 1 to 8,
characterized in that the weight has an approximately
rectangular section.

30 10. Device according to any one of claims 1 to 9,
characterized in that the case has an approximately
constant thickness.

11. Device according to any one of claims 1 to 10,
characterized in that the case is made of flexible
material.

35 12. Device according to any one of claims 1 to 11,
characterized in that the case includes portions which
occupy passages (60) passing through the weight.

13. Device according to any one of claims 1 to 12, characterized in that the case is glued (70) onto the surface of the weight.

14. Device according to any one of claims 1 to 13, characterized in that the surface is delimited by borders which define edges (80).

15. Device according to any one of claims 1 to 14, characterized in that said surface is pre-coated with glue (90).

16. Device according to any one of claims 1 to 14, characterized in that said surface is provided with a tape (95) the surfaces of which are coated with adhesive.

17. Device according to any one of claims 1 to 16, characterized in that the case is black.

18. Device according to any one of claims 1 to 16, characterized in that the case is white.

19. Device according to any one of claims 1 to 16, characterized in that the case is green.

20. Wheel including a rim (2, 12, 22, 32, 42) having an axis (Z-Z), a tyre (3, 12, 23, 33, 43) and a balancing device (4, 14, 24, 34, 44) according to any one of claims 1 to 18 including a balancing weight (5, 15, 25, 35, 45) enclosed in a case (6, 16, 26, 36, 46) a surface of which (4A, 14A, 24A, 34A, 44A) is fixed firmly to a surface (3A, 13A, 23A, 33A, 43A) of the tyre and which is made of a material having a colour similar to that of the tyre.

21. Wheel according to claim 20, characterized in that the balancing device (4) is arranged along a side of the tyre, close to the rim.

22. Wheel according to claim 20 or claim 21, characterized in that the device (4) is arranged radially between the rim and a section of maximum width (3B) of the tyre.

23. Wheel according to any one of claims 20 to 22, characterized in that the balancing device (14) radially runs along the inside of a side wall (13A) of the tyre.

24. Wheel according to any one of claims 20 to 22, characterized in that the balancing device (24) radially runs along the outside of a side wall of the tyre.

25. Wheel according to any one of claims 20 to 22,
5 characterized in that the balancing device (34) is engaged in a circumferential groove (33A) provided in the tyre.

26. Wheel according to any one of claims 20 to 22, characterized in that the balancing device (44) is
10 engaged in a circumferential groove provided by the tyre and an edge of the rim.